

Express No:. ED 162 473 895 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Yang et al.

Serial No.: 10/768,886 Art Unit: 1638

Filed: January 31, 2004, 2003 Examiner: Vinod Kumar

For: Mitogen-Activated Protein Kinase Atty Docket No.: UAF-03-04

And Methods for Use to Enhance Biotic
Abiotic Stress Tolerance in Plants

INFORMATION DISCLOSURE STATMENT UNDER 37 C.F.R. § 1.56 AND § 1.97

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Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and § 1.97 to inform the Patent and Trademark Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of any claim of the application, Attorney for Applicants hereby directs the Examiner's attention to the references (A1-A18) listed on the attached PTO 1449 Form

Identification of the above-listed references is not construed as an admission of Applicants or Attorney for Applicants, that such references are available as "prior art" against the subject application. Applicants request that the Examiner record in the file history of the above-captioned application.

Pursuant to 37 C.F.R. § 197, since the enclosed Information Disclosure Statement and references are being filed prior to any Official Action, no fee is due. Thank you for your assistance in the matter.

Respectfully submitted,

Date: December 13, 2005

myh for 48,494

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PTO/SB/088 (07-05)

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				Application Number	10/768,886		
			CLOSURE	Filing Date	January 31, 2004		
STA	STATEMENT BY APPLICANT			First Named Inventor	Yinong Yang		
(Use as many alteris as necessary)				Art Unit	1638		
	(USE OS INKINY MIRKADO OS INCCESSORY)			Examiner Name	Vinod Kumar		
Sheet	1	of	2	Attorney Docket Number	UAF-03-14		

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	A1	Agrawal et al. 2002 Isolation of novel rice multiple stress responsive MAP kniase gene OSMSRWK2 whose mRNA accumulates rapidly in response to environmental cues. BBRC 294:1009	
	A2	Asai et al. 2002 MAP inase signalling cascade in Arabidopsis innate immunity. Nature 415:977	
	А3	Frye et al. 2001 Negative regulation of defense responses in plants by a conserved MAPK kinase. PNAS 98:373	
	A4	Hardin et al. 1998 Molecular cloning and characterization of maize ZmMEK1 a protein kinase with a catalytic domain homologous to mitogen and stress-activated Planta 206:577	
	A5	Huang et al. 2002 Expression of Oryza sativa MAP kinase gene is developmentally regulated and stress-responsive. Physio. Plant. 114:572	
	A6	Jonak et al. 1996 Stress signaling plants: A mitogen-activated protein kinase pathway is activated by cold and drought. PNAS 93:11274	
	A7	Kiegeri et al. 2000 SIMKK a Mitogen-Activated Protein Kinase (MAPK) Kinase is a Specific Activator of the Salt Stress-Induced MAPK, SIMK. Plant Cell 12:2247	
	A8	Knetsch et al. 1996 Abscisic Acid Induces Mitogen-Activated Protein Kinase Activation in Barley Aleurone Protoplasts. Plant Cell 8:1061	
	A9	Mikotjaczk et al. 2000 Osmostic Stress Induces rapid activation of a Salicyclic Acid-Induced Protein Kinase and a Homolog of Protein Kinase ASK1 in Tobacco Plant Cell 12:165	
	A10	Seo et al. 1999 Jasmonte-based wound signal transduction requires activation of WIPK, a tobacco mitogen-activated protein kinase. Plant Cell 11:289	

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Complete if Known Substitute for form 1449/PTO **Application Number** 10/768.886 INFORMATION DISCLOSURE **Filing Date** January 31, 2004 STATEMENT BY APPLICANT **First Named Inventor** Yinong Yang Art Unit 1638 (Use as many sheets as necessary) **Examiner Name** Vinod Kumar **Attorney Docket Number**

Sheet

2

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	A11	Song et al. 2002 OsBIMK1, a rice MAP kinase gene involved in disease resistance responses. Planta 215:997	
	A12	Wen et al. 2002 Two novel mitoen-activated protein signaling components, OSMEK1 and OsMAP1 are involved in a moderate low-temperature Plant Physio. 129:1880	
	A13	Yang et al. 2001 Activation of a mitogen-activated protein kinase pathway is involved in disease resistance in tobacco. PNAS 98:741	
	A14	Zhang et al. 1997 Salicylic Acid Activates a 48-kD MAP Kinas in Tobacco. Plant Cell 9:809	
	A15	Zhang et al. 1998 The tobacco wounding-activated mitogen-activated kinase is encoded by SIPK. PNAS 95:7225	
	A16	Zhang et al. 1998 Resistance gene N-mediated de novo synthesis and activationof a tobacco mitogen-activated protein kinase by tobacco mosaic virus infection. PNAS 95:7433	
	A17	Zhang et al. 2001 MAPK cascades in plant defense signaling. Trends in Plant Science. 6:(11)520	
	A18	Zhang et al. 2001 Activation of Salicylic Acid-Induced Protein Kinase, a Mitogen-Activated Protein Kinase, Induces Multiple Defense Responses in Tobacco. Plant Cell 13:1877	

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